



JUL 05 2005

SHEET 1 OF 1

INFORMATION DISCLOSURE STATEMENT PTO-1449	ATTY. DOCKET NO.	SERIAL NO.
	18120-0027	10/762,216
	APPLICANT: James D. Kafka, et al.	
FILING DATE: 01/20/2004	GROUP: 2817 3663	

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>AMW</i>	6,002,697	12/14/1999	Govorkov	372	34	
<i>AMW</i>	US 2002/0085608	07/04/2002	Kopf, et al.	372	75	
<i>AMW</i>	US 2002/0110168	08/15/2002	Haumesser, et al.	372	39	
<i>AMW</i>	US 2002/0126715	09/12/2002	Gerstenberger, et al.	372	22	
<i>AMW</i>	US 2003/0147443	08/07/2003	Backus, et al.	372	70	
<i>AMW</i>	US 2003/0189959	10/09/2003	Erbert, et al.	372	25	

FOREIGN PATENT DOCUMENTS

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	WO 98/52257	19 Nov 1998	PCT	H01S	3/091	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

~~Wu~~ Brunner, F., et al., "240-FS Pulses with 22-W Average Power from a Mode-Locked Thin-Disk Yb:KY(WO4)2 Laser", Optics Letters, Vol. 27, No. 13, pp. 1162-1164, July 1, 2002

~~Wu~~ Innerhofer, E. et al., "60-W Average Power in 810-FS Pulses from a Thin-Disk Yb:YAG Laser", Optics Letters, Vol. 28, No. 5, pp 367-369, March, 1, 2003

~~Wu~~ Südmeyer, T., et al., "High-Power Femtosecond Nonlinear Devices Pumped with a Mode-Locked Thin Disk Laser", Lasers and Electro-Optics Europe, pg. 245, June 22, 2003

~~Wu~~ Paschotta, R., et al. "Ultrashort Pulses with High Average Power", Proceedings of the SPIE, Vol. 5137, pgs. 66-72, (2003)

EXAMINER *[Signature]* DATE CONSIDERED *9-23-2003*



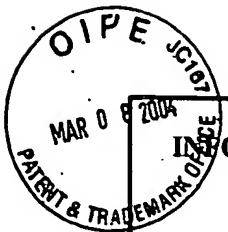
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>[initials]</i>	U. Brauch, et al., "Multiwatt Diode-Pumped Yb:YAG Thin Disk Laser Continuously Tunable Between 1018 and 1053 nm", Optics Letters, Vol. 20, No. 7, pp. 713-715, April 1, 1995						
<i>[initials]</i>	A Beyertt, et al., "CPA-free Femtosecond Thin Disk Yb:KYW Regenerative Amplifier with High Repetition Rate", Advanced Solid State Photonics 2004						
<i>[initials]</i>	M.J. Lederer, et al., " Femtosecond Diode Pumped Reenerative Amplifier for Micromachining and Biomedical Applications Producing 250fs, 3μ J-pulses at 100kHz, Conference on Lasers and Electro-Optics, 2004						
<i>[initials]</i>	H. Liu, et al., "Yb:KGd (WO4)2 Chirped-Pulse Regenerative Amplifiers" Optics Communications, 203:315-321, 2002						
<i>[initials]</i>	Antoine Courjaud, et al., " Diode Pumped Multikilohertz Femtosecond Amplifier", Advanced Solid State Photonics, 2002						
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<i>[initials]</i>	A. Tünnermann, et al. "High Power Femtosecond Fiber CPA Systems-Design and Applications, Conference on Lasers and Electro-Optics, Optical Society of America, pp. 1-2, 2003						
<i>[initials]</i>	J. Limpert, "High-Average-Power Femtosecond Fiber Chirped-Pulse Amplification System, Optics Letters, Vol. 28, No. 20, pp. 1984-1986, October 15, 2003						
EXAMINER <i>[initials]</i> <i>[initials] dracon</i>	DATE CONSIDERED		9-23-2005				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>AMD</i>	J. Limpert, et al., "All Fiber Chirped-Pulse Amplification System Based on Compression in Air-Guiding Photonic Bandgap Fiber", Optical Society of America Optics Express, Vol. 11, No. 24, pp. 3332-3337, December 1, 2003						
<i>AMD</i>	R. Maleck-Rassoul, et al., "Sub-40 fs Pulses from a 500 fs Green-Pumped Single-Pass Noncollinear Parametric Amplifier", Optical Society of America, Advanced Solid State Photonics, 2002						
<i>AMD</i>	C. Hönninger, et al., "Diode-Pumped Thin-Disk Yb:YAG Regenerative Amplifier", Applied Physics B (laser and Optics), 65:423-426, 1997						
<i>AMD</i>	http://www.imra.com/lasers-prod-fcpa.html , IMRA America, Inc., "FCPA μJewel Series"						
<i>AMD</i>	http://www.amplitude-systemes.com/sPulse.htm , Amplitude Systems, "S-Pulse Femtosecond Amplifier"						
EXAMINER <i>Mr. M. Rosen</i>		DATE CONSIDERED <i>9-23-2005</i>					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>AM</i>	Bado, P. et al., "Nd:YLF Mode-Locked Oscillator and Regenerative Amplifier"; OPTICS LETTERS; May 1987; Vol. 12, No. 5; pp. 319-321.					
<i>AM</i>	Bagnoud, V. et al. "Diode-Pumped Regenerative Amplifier Delivering 100-mj Single-Mode Laser Pulses"; OPTICS LETTERS; March 15, 2001; Vol. 26, No. 6; pp. 337-339.					
<i>AM</i>	Balembois, F. et al., "High-Repetition-Rate Cw-Pumped Cr ³⁺ : LiSrAlF ₆ Femtosecond Regenerative Amplifier"; OPTICS LETTERS, Vol. 18, No. 15; August 1, 1993; pp. 1250-1252.					
<i>AM</i>	Barty, C.J. et al., "Regenerative Pulse Shaping and Amplification of Ultrabroadband Optical Pulses"; OPTICS LETTERS; February 1, 1996; Vol. 21, No. 3; pp. 219-221.					
<i>AM</i>	Barty, C.J. et al., "Generation of 18-fs, Multiterawatt Pulses by Regenerative Pulse Shaping and Chirped-Pulse Amplification"; OPTICS LETTERS; Vol. 21, No. 9; May 1, 1996; pp. 668-670.					
<i>AM</i>	Beaud, P. et al., "8-TW 90-fs Cr:LiSAF Laser"; OPTICS LETTERS; Vol. 18, No. 18; September 15, 1993; pp. 1550-1552.					
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<i>AM</i>	Durfee, C.G. et al., "Pulse Compression in a Self-Filtering Nd: YAG Regenerative Amplifier"; OPTICS LETTERS; Vol. 17, No. 1; January 1, 1992; pp. 37-39.					
<i>AM</i>	Evans, J.M. et al., "Kilohertz Cr: Forsterite Regenerative Amplifier"; OPTICS LETTERS; Vol. 23, No. 21, November 1, 1998; pp. 1692-1694.					
EXAMINER <i>AM</i>			DATE CONSIDERED	<i>9-22-2005</i>		

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<i>AM</i>	Fu, Q. et al., "High-Average-Power Kilohertz-Repetition-Rate Sub-100-fs Ti:Sapphire Amplifier System"; OPTICS LETTERS; Vol. 22, No. 10, May 15, 1997; pp. 712-714.					
<i>AM</i>	Gifford, M. et al., "Diode-Pumped Nd:YLF Regenerative Amplifier"; OPTICS LETTERS; Vol. 17, No. 24; December 15, 1992; pp. 1788-1790.					
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<i>AM</i>	Horvath, C. et al., "Compact Directly Diode-Pumped Femtosecond Nd: Glass Chirped-Pulse-Amplification Laser System; OPTICS LETTERS; Vol. 22, No. 23; December 1, 1997; pp. 1790-1792.					
<i>AM</i>	Hyde, S.C.W. et al., "Argon-Ion-Pumped and Diode-Pumped All-Solid-State Femtosecond Cr:LiSrAlF6 Regenerative Amplifiers"; OPTICS LETTERS; Vol. 20, No. 2; January 15, 1995; pp. 160-162.					
<i>AM</i>	Jonusauskas, J. et al., "54-fs, 1-GW, 1-kHz Pulse Amplification in Cr:forsterite"; OPTICS LETTERS, Vol. 23, No. 24, December 15, 1998; pp. 1918-1920.					
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<i>AM</i>	Kung, A.H., "Regenerative Amplification of a Single-Frequency Optical Parametric Oscillator", OPTICS LETTERS, Vol. 18, No. 23; December 1, 1993; pp. 2017-2019.					
<i>AM</i>	Liu, H. et al., "Directly Diode-Pumped Millijoule Subpicosecond Yb:glass Regenerative Amplifier", OPTICS LETTERS; Vol. 24, No. 13; July 1, 1999; pp. 917-919.					
EXAMINER <i>Dr. M. Dacan</i>	DATE CONSIDERED					9-22-2005

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<i>[Signature]</i>	Liu, H. et al., "Directly Diode-pumped Yb:KY(WO4)2 Regenerative Amplifiers", OPTICS LETTERS; Vol. 27, No. 9; May 1, 2002; pp. 722-724.					
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<i>[Signature]</i>	Nabekawa, Y. et al., "Generation of 0.66-TW Pulses at 1 kHz by a Ti:sapphire Laser", OPTICS LETTERS; Vol. 23, No. 17; September 1, 1998; pp. 1384-1386.					
<i>[Signature]</i>	Nabekawa, Y. et al., "Sub-20-fs Terawatt-Class Laser System With A Mirrorless Regenerative Amplifier and an Adaptive Phase Controller", OPTICS LETTERS; Vol. 27, No. 14; July 15, 2002; pp. 1265-1267.					
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<i>[Signature]</i>	Ohno, K. et al., "Adaptive Pulse Shaping of Phase and Amplitude of an Amplified Femtosecond Pulse Laser By Direct Reference To Frequency-Resolved Optical Gating Traces", OPT. SOC. AM. B; Vol. 19, No. 11; November 2002; pp. 2781-2790.					
<i>[Signature]</i>	Perry, M.D. et al., "Cr:LiSrAlF6 Regenerative Amplifier"; OPTICS LETTERS; Vol. 17, No. 8; April 15, 1992; pp. 604-606.					
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<i>[Signature]</i>	Rudd, J.V. et al., "Chirped-Pulse Amplification of 55-fs Pulses at a 1-kHz Repetition Rate in a Ti:Al2O3 Regenerative Amplifier", OPTICS LETTERS, Vol. 18, No. 23; pp. 2044-2046.					
<i>[Signature]</i>	Ruggiero, A.J. et al., "Regenerative Amplification of Picosecond Pulses in Nd:YAG at Repetition Rates in the 100-kHz Range", OPT. SOC. AM. B, Vol. 8, No. 10; October 1991; pp. 2061-2067.					
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<i>AMW</i>	Selker, M. D. et al., "Efficient, Diode-Pumped, Diode-Laser-Seeded, High-Peak-Power Nd:YLF Regenerative Amplifier"; OPTICS LETTERS; Vol. 19, No. 8; April 15, 1994; pp. 551-553.					
<i>AMW</i>	Song, J. et al., "Mid-Infrared Pulses Generated From the Mixing Output of an Amplified, Dual-Wavelength Ti:sapphire System"; OPTICS LETTERS; Vol. 27, No. 3; February 1, 2002; pp. 200-202.					
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<i>AMW</i>	Veillancourt, G. et al., "Operation of a 1-kHz Pulse-Pumped Ti:sapphire Regenerative Amplifier", OPTICS LETTERS; Vol. 15, No. 6; March 15, 1990; pp. 317-319.					
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<i>AMW</i>	Wynne, K. et al., "Regenerative Amplification of 30-fs Pulses in Ti:sapphire at 5 kHz"; OPTICS LETTERS; Vol. 19, No. 12; June 15, 1994; pp. 895-897.					
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<i>AMW</i>	Yang, J. et al., "0.09-terawatt Pulses With a 31% Efficient, Kilohertz Repetition-Rate Ti:sapphire Regenerative Amplifier"; OPTICS LETTERS; Vol. 26, No. 7; April 1, 2001; pp. 453-455.					
<i>AMW</i>	Zhang, Z et al., "Dual-Wavelength Chirped-Pulse Amplification System", OPTICS LETTERS; Vol. 25, No. 8; April 15, 2000; pp. 581-583.					
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